FEB 07 700 BU

Express Mail: EV622192405US

Date of Deposit: 7 February 2007

USSN: 10/735402

Atty Docket: 1801270-136US1

Replacement Sheet

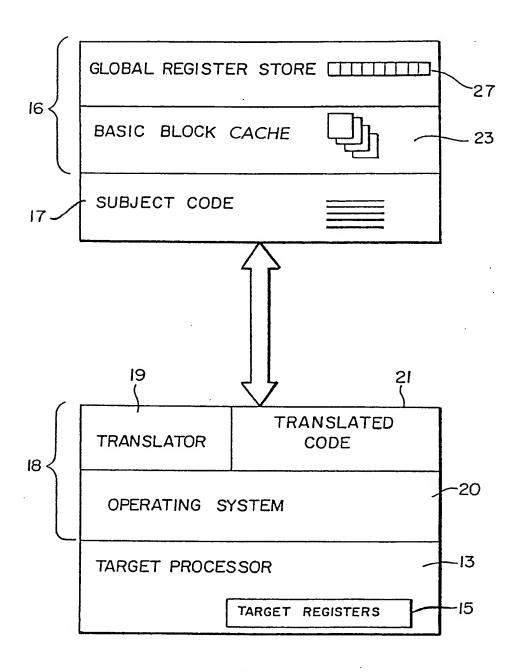


FIG. 1

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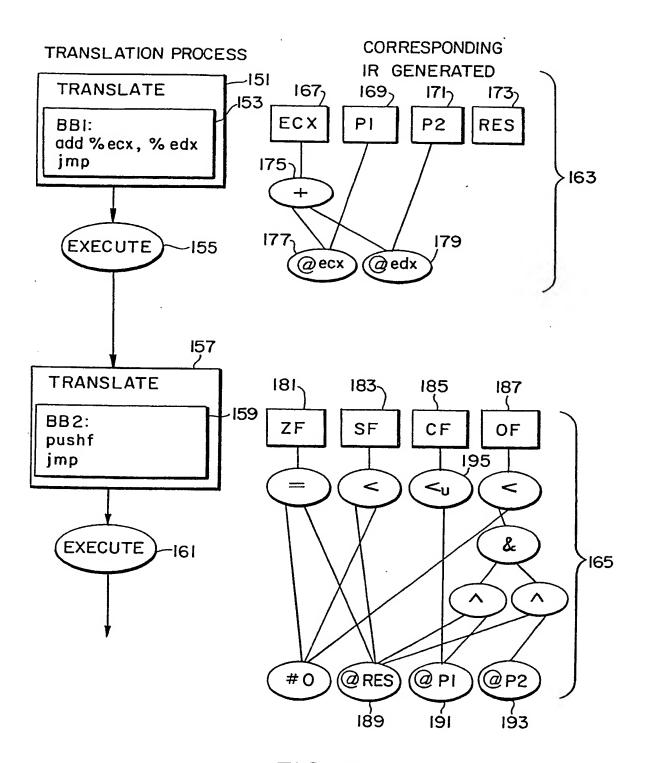


FIG. 2

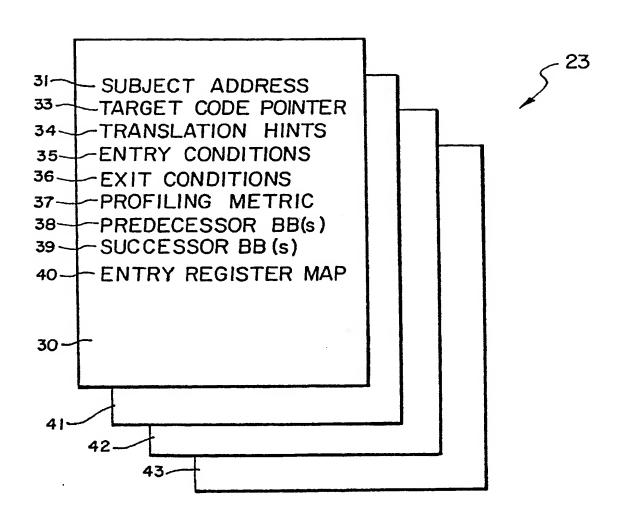


FIG. 3

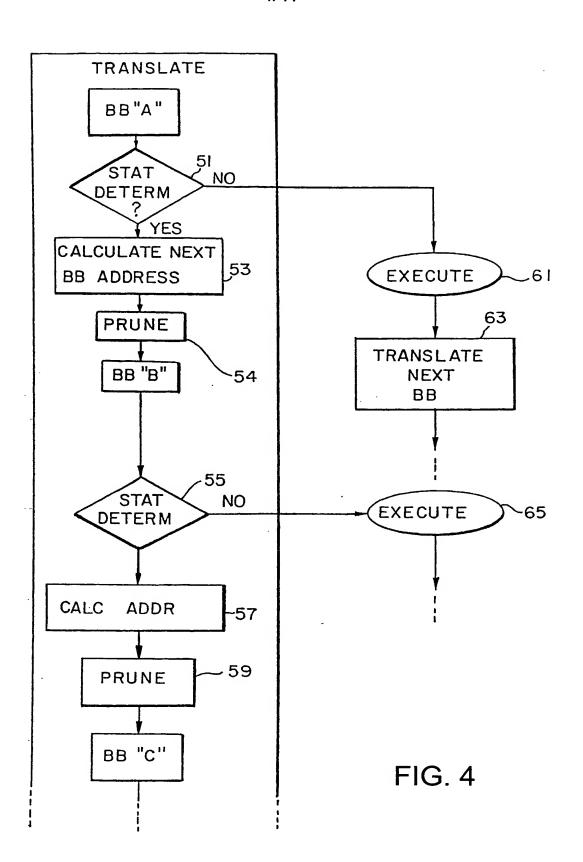
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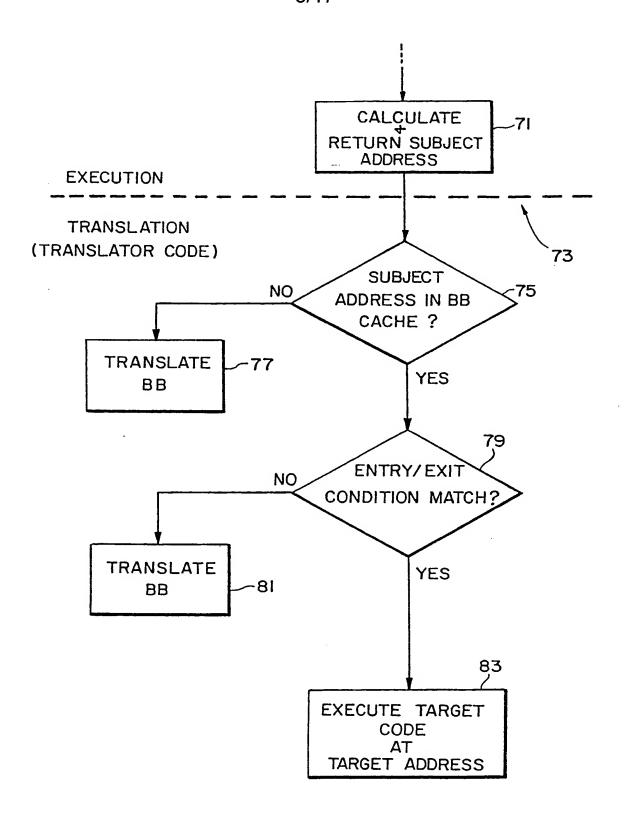


FIG. 5

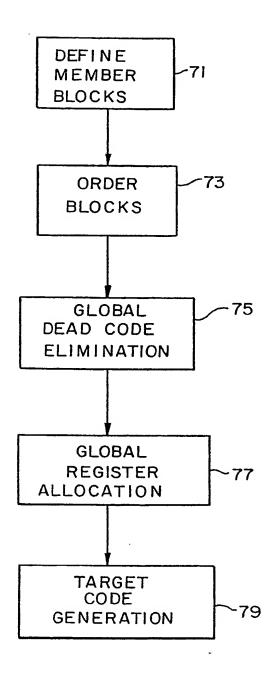
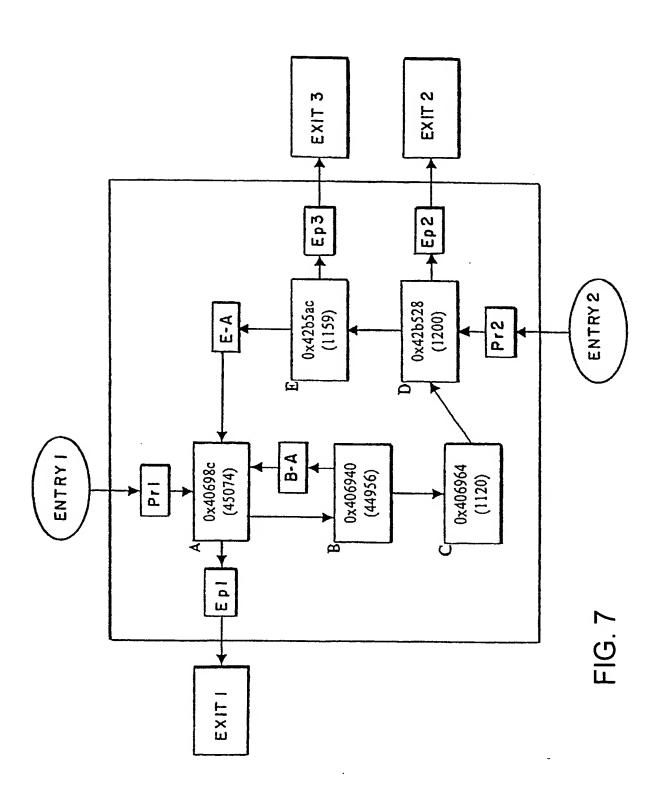


FIG. 6

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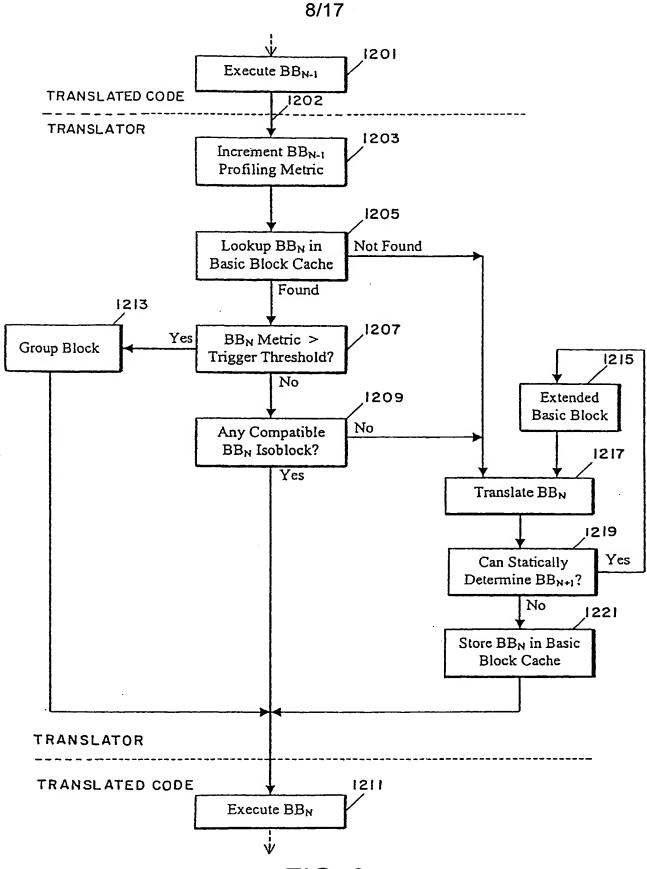


FIG. 8

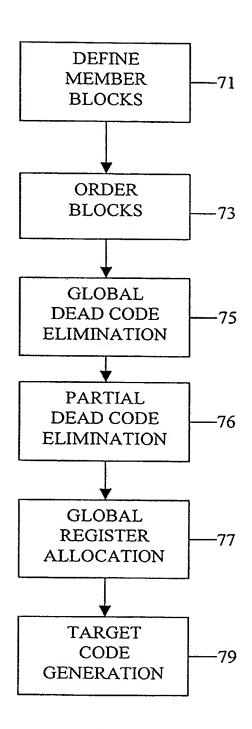


FIG. 9

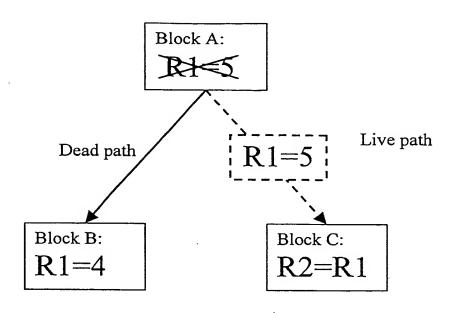


FIG. 10A

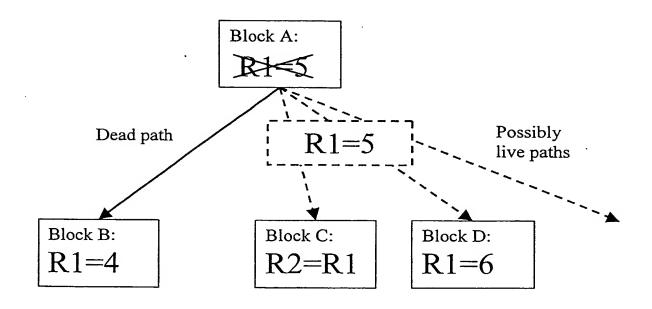


FIG. 10B

Replacement Sheet

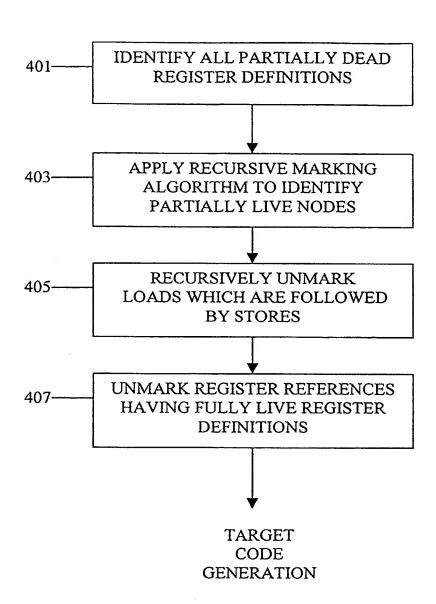


FIG. 11

EXAMINE SUBJECT REGISTER DEFINITIONS IN IR 100 NO TOP-LEVEL NO LAZY 102-**EXPRESSION** BYTESWAPPING = BYTESWAP? YES 104 REMOVE BYTESWAP EXPRESSION 106-AND SET LAZY BYTESWAP FLAG FOR THIS REGISTER INTERMEDIATE NO REFERENCED REPRESENTATION 108-REGISTER **REMAINS** FLAG 'SET'? UNMODIFIED YES 114 INSERT BYTESWAP EXPRESSION -110 ABOVE REFERENCED REGISTER REMOVE CONSECUTIVE -112 BYTESWAP EXPRESSIONS

FIG. 12

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200

Subject Code

LABEL1 r3 := LOAD(r2 + 24) r1 := r1 -1 CMP r1 0 BC LABEL1 STORE 16(r5) r3

Group Block

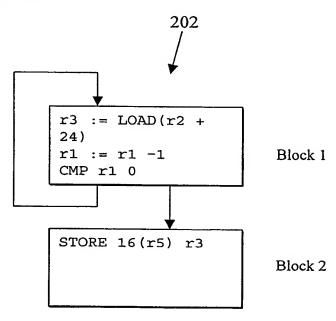


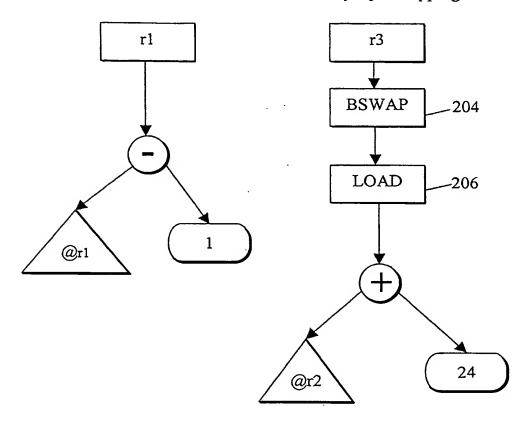
FIG. 13A

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Replacement Sheet

Block 1 IR Without Lazy Byteswapping



Block 2 IR Without Lazy Byteswapping

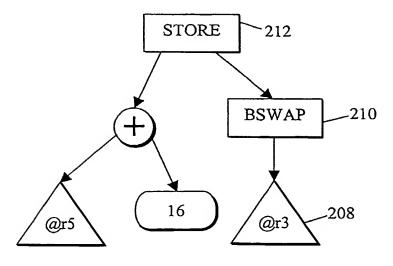
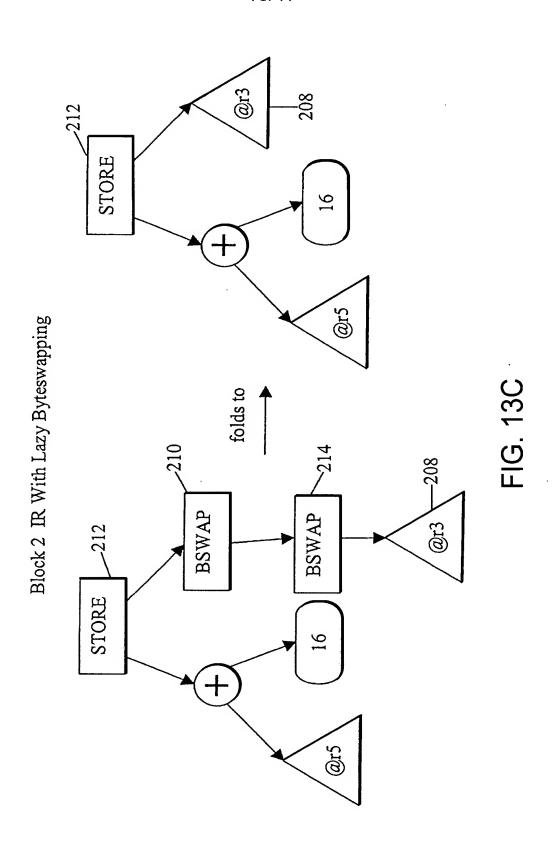


FIG. 13B

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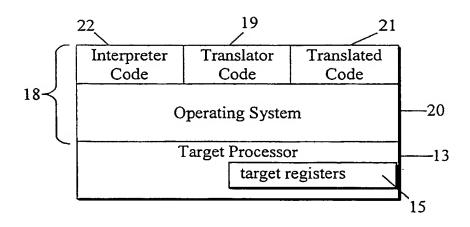


FIG. 14

